

## GLASS IONOMER RESTORATIVE MATERIAL INSTRUCTIONS FOR USE

Riva Self Cure is the ideal radiopaque, self curing conventional glass ionomer restorative material. With excellent tooth adhesion, fluoride release and high compressive strength, Riva Self Cure is useful for a wide range of restorative applications.

### INDICATIONS FOR USE:

1. Minimal Class I and II restorations.
2. Deciduous teeth restorations.
3. Base material for composite restorations.
4. Core build-ups.
5. Root surface & Class V restorations
6. Temporary fillings
7. Restorative in the field using the ART technique

### CONTRAINDICATIONS:

1. Pulp capping
2. Product may cause skin irritations to some people. In such cases, discontinue use and seek medical attention.

### INSTRUCTIONS FOR USE:

#### PREPARATION:

1. Clean and isolate tooth.  
Note: A conservative cavity should be prepared, employing standard techniques and instruments. Undercuts are not necessary.
2. In cases where pulp protection is necessary, use a calcium hydroxide liner.

#### CONDITIONING / ETCHING:

1. Apply Riva Conditioner to the prepared surfaces and leave in cavity for 10 seconds.

#### OR

Apply Super Etch 37% Phosphoric Acid to the prepared surfaces and leave in cavity for 5 seconds.

2. Rinse thoroughly with water.
3. Remove excess water. Keep moist. Avoid contamination.

IMPORTANT: Be careful not to completely dry the surface. Surface should be glistening.

### 3. PROCEDURE FOR MIXING AND PLACING OF RIVA SELF CURE

#### CAPSULE SYSTEM:

Setting	REGULAR (Green plunger)	FAST (Mustard plunger)
Powder / Liquid Ratio (g/g)	0.45 / 0.14	0.45 / 0.14
Mixing time	10 sec	10 sec
Working time (min.,sec.)	1'40"	1'05"
Initial setting time (min.,sec.)	4'10"	2'30"
Finishing time @ 37°C from start of mixing (min.,sec.)	6'00"	4'30"
Minimum delivery / capsule	0.13mL	0.13mL
Test conditions: Temperature (23 ± 1°C), relative humidity (50 ± 10%) ISO 9917-1 (Dental water based cement).		

1. Push the plunger on a hard surface until it flush with the body of the capsule.

**Important: Do not click with applicator before you mix.**

2. Immediately place activated capsule into the Ultramat 2 amalgamator or any high speed capsule mixer (4000 – 4800 rpm).
3. Mix for 10 seconds. NOTE: The working time can be extended by decreasing the mixing time by no more than 3 seconds (i.e. minimum mixing time is 7 seconds).
4. Immediately remove the capsule and place into the Riva capsule applicator.
5. Click the trigger of the Riva capsule applicator until glass ionomer paste is seen through the clear nozzle.
6. Extrude Riva Self Cure into the cavity, being careful not to trap air under the restoration. NOTE: Higher temperatures will shorten working time.
7. At the end of the working time, apply Riva Coat to all exposed surfaces of restoration.
8. Light cure for 20 seconds.

#### POWDER / LIQUID SYSTEM

##### RECOMMENDED MIXING OF LIQUID AND POWDER:

Powder-liquid dosage: 1 flat scoop to 1 drop

Powder-liquid ratio: 3.3:1

Recommended mixing time: 30 seconds

Mixing pad type: non-absorbent paper or glass slab.

NOTE: Cool glass slab for extended working time.

Test conditions: Temperature (23 ± 1°C), relative humidity (50 ± 10%) ISO 9917-1 (Dental water based cement).

1. Gently tap Riva Self Cure powder jar on the hand. Using the plastic scoop provided, dispense one level measure of powder onto the mixing pad.
2. Carefully dispense one drop of Riva Self Cure Liquid next to the powder on the mixing pad. Replace cap tightly.
3. Use a plastic spatula and divide the powder into two equal parts.
4. Mix the liquid with one part of the powder for 10 seconds and then include the second part and continue mixing for another 15 to 20 seconds.
5. Place mixed paste into the cavity, being careful not to trap air under or within the restoration. At 23°C / 74°F, the working time will be about two minutes.
6. At the end of the working time, apply Riva Coat to all exposed surfaces of restoration.
7. Light cure for 20 seconds.

#### 4. FINISHING:

- (A) At least six minutes (regular set) and four minutes and thirty seconds (fast set) after the start of mixing, finish the restoration using standard techniques.
- (B) Apply another layer of Riva Coat.
- (C) Light cure for 20 seconds.
- (D) Instruct patient not to eat for at least one hour after procedure.

### STORAGE AND HANDLING

Do not remove Riva Self Cure capsules from their foil packets until ready to use.

Store at temperatures between 4° and 20°C (39° - 68°F).

Use at room temperature between 20° and 25°C (68° - 77°F).

### PRECAUTIONS:

For professional use only.

Keep out of reach of children.

Do not take internally.

Do not use after expiry date.

Do not mix powder or liquid with any other brand of glass ionomer products.

Caution: Federal Law restricts this device to sale by or on the order of a dentist.

### FIRST AID

Eye (contact): Wash thoroughly with water and seek medical attention.

Skin (contact): Remove using a cloth or sponge soaked in alcohol. Wash thoroughly with water.

Ingestion: Drink plenty of water/milk. Seek medical attention if symptoms persist.

Inhalation: No symptoms expected.

### PACKAGING

- Available shades: A1, A2, A3, A3.5, A4, B2, and B3.

Shade numbers according to Vita® shade guide.

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#### - Capsules:

- Boxes of 50 capsules in regular and fast set
- Assorted capsule box: 10 each of A1, A2, A3, A3.5 and B2 in regular and fast set.

#### - Powder / Liquid

- Powder (15g) / Liquid (6.0mL/8g) kit.
- Powder (15g) refills in shades A1, A2, A3, A3.5, A4, B2, and B3.
- Liquid refill (6.0mL/8g).

- Riva Conditioner 10mL bottle refill

- Riva Coat 5mL bottle refill

- Riva Capsule Applicator 2

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